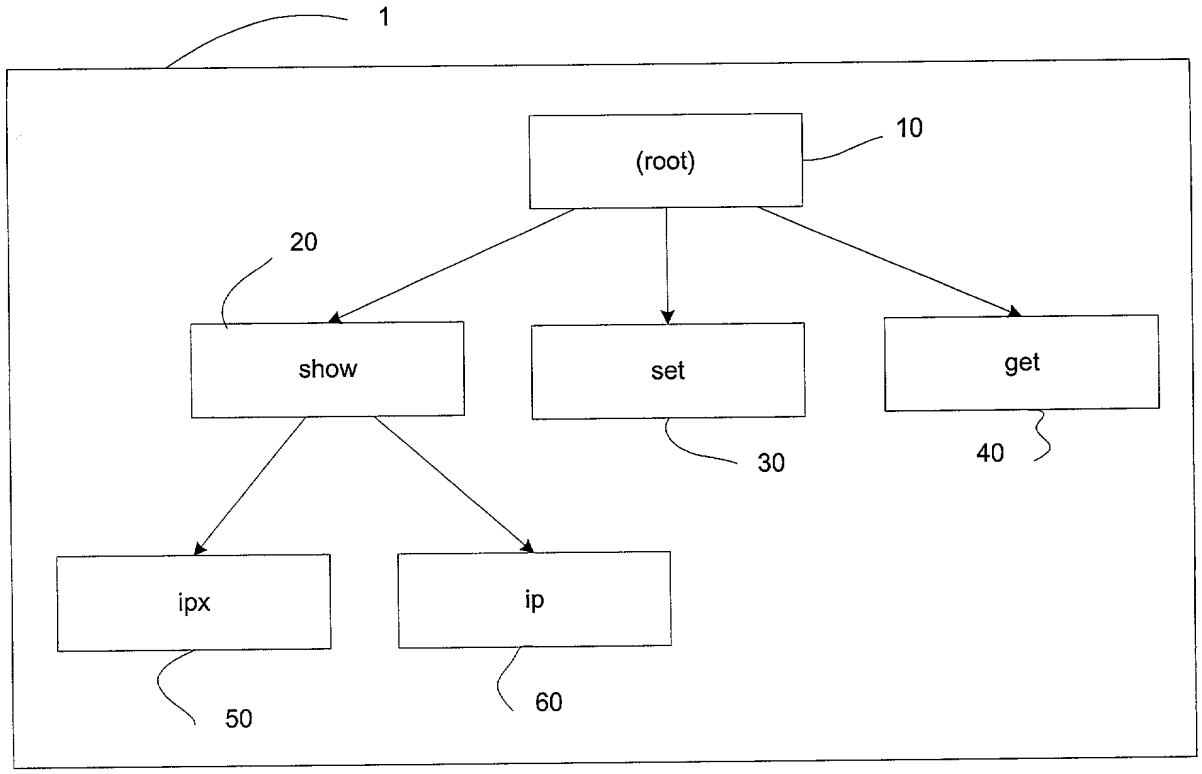

1
(root)
10
20
show
set
get
30
40
ipx
ip
50
60

Fig. 1

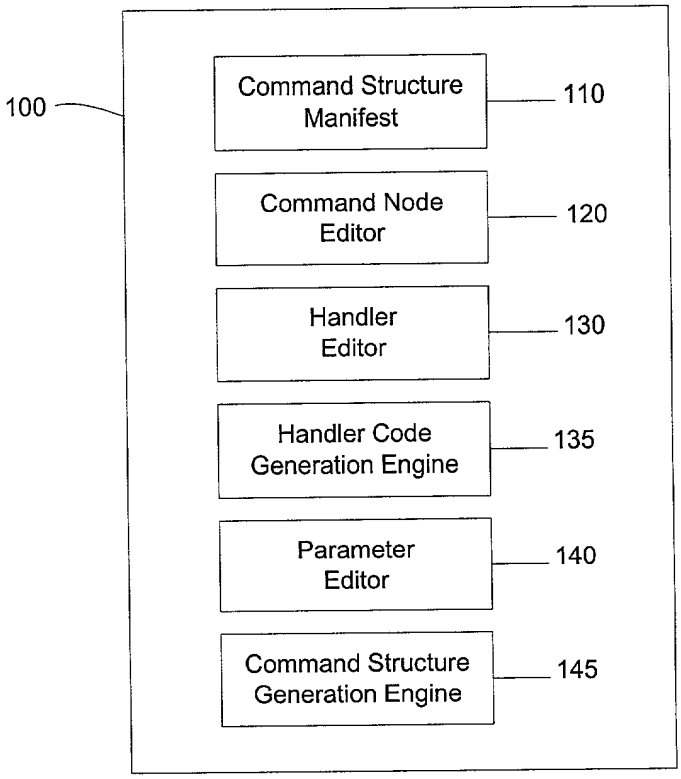

100
Command Structure Manifest
110
Command Node Editor
120
Handler Editor
130
Handler Code Generation Engine
135
Parameter Editor
140
Command Structure Generation Engine
145

Fig. 2

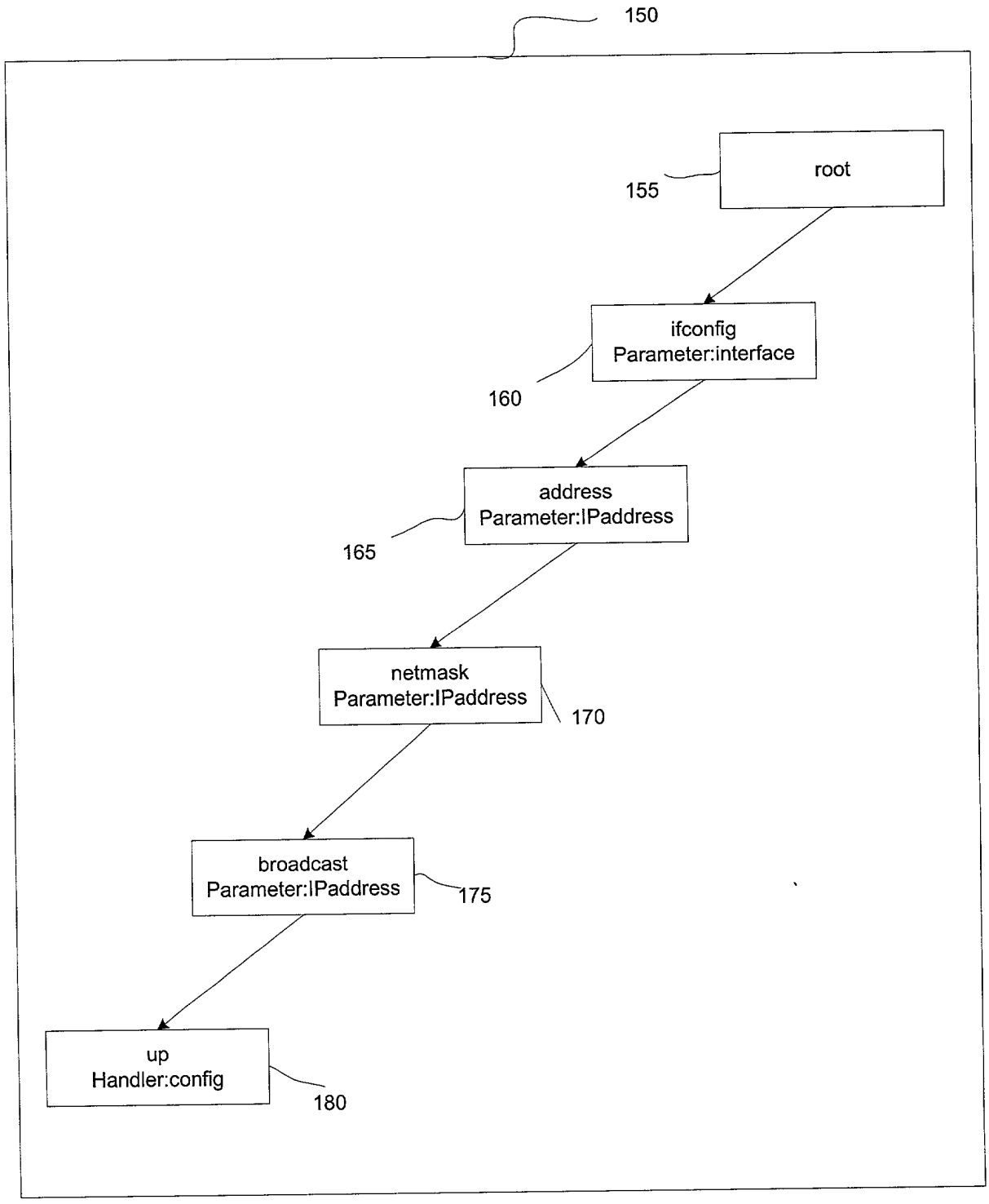

150
root
155
ifconfig
Parameter:interface
160
address
Parameter:IPaddress
165
netmask
Parameter:IPaddress
170
broadcast
Parameter:IPaddress
175
up
Handler:config
180

Fig. 3

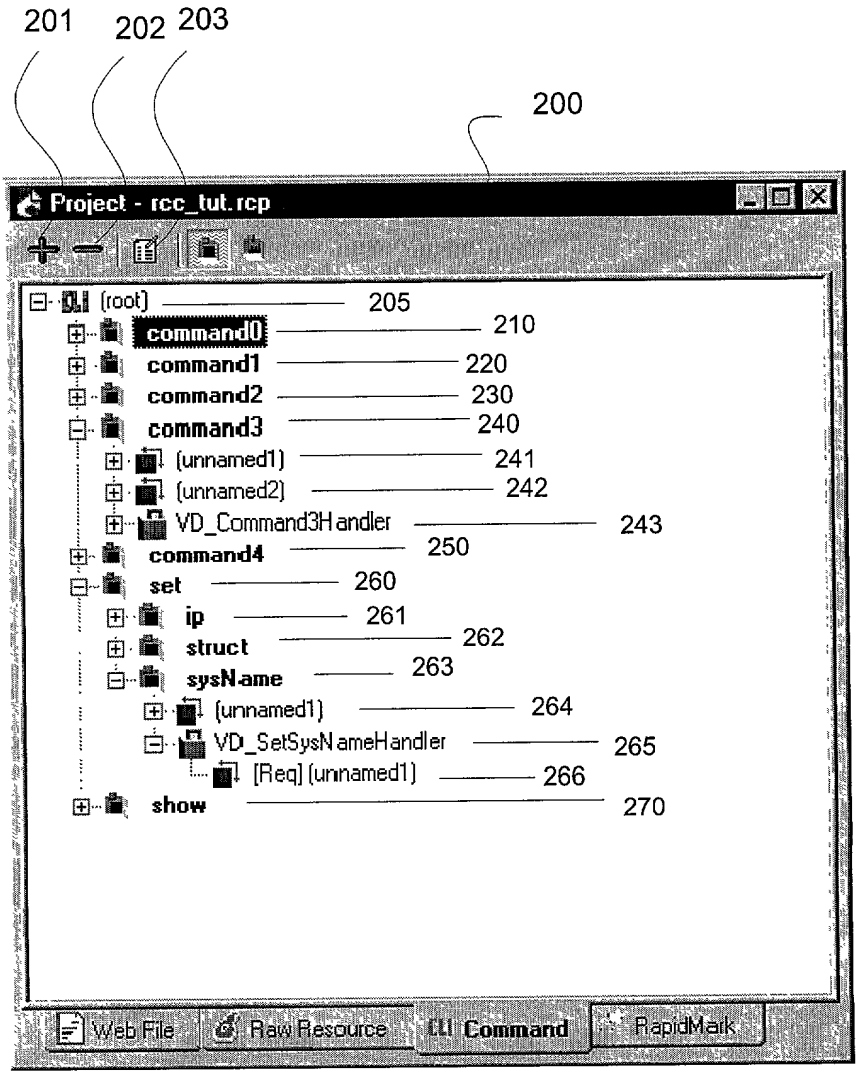

201
202
203
200
Project - rcc_tut.rcp
(root)
205
command0
210
command1
220
command2
230
command3
240
(unnamed1)
241
(unnamed2)
242
VD_Command3Handler
243
command4
250
set
260
ip
261
struct
262
sysName
263
(unnamed1)
264
VD_SetSysNameHandler
265
[Req] (unnamed1)
266
show
270
Web File
Raw Resource
CLI Command
RapidMark

Fig. 4

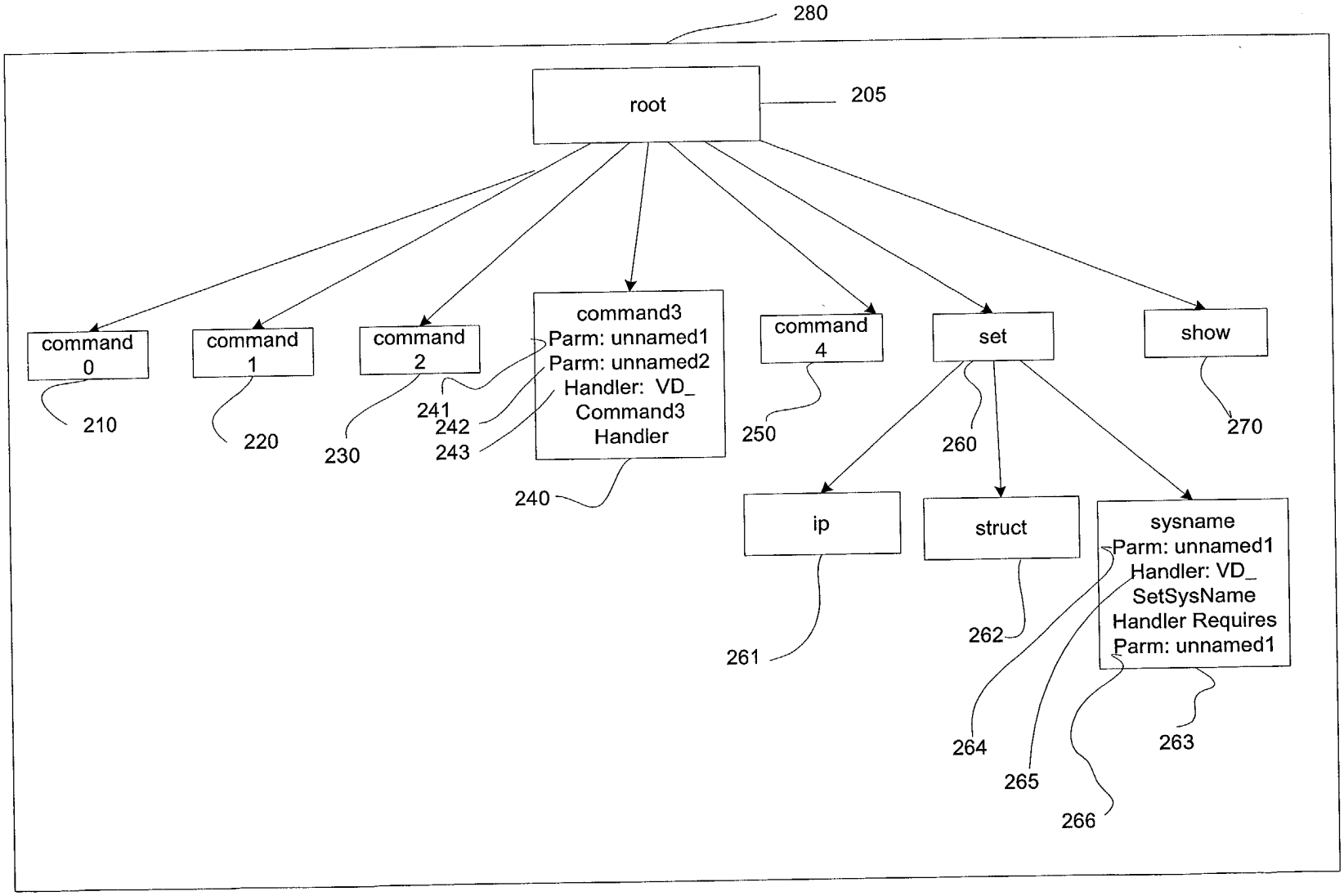

280
root
205
command 0
command 1
command 2
command3
Parm: unnamed1
Parm: unnamed2
Handler: VD_
Command3
Handler
command 4
set
show
210
220
230
241
242
243
240
250
260
270
ip
struct
sysname
Parm: unnamed1
Handler: VD_
SetSysName
Handler Requires
Parm: unnamed1
261
262
263
264
265
266

Fig. 5

Add a Command --300

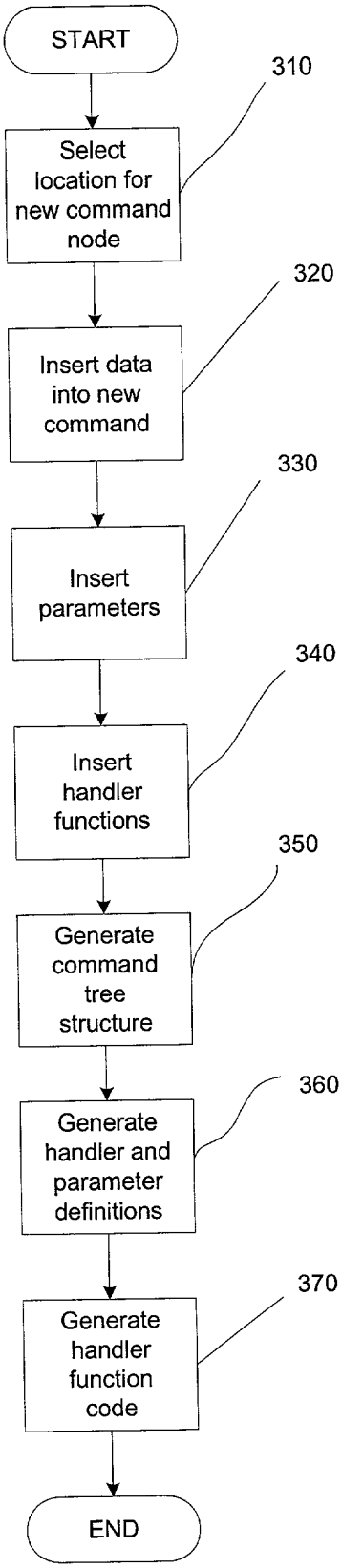


Fig. 6

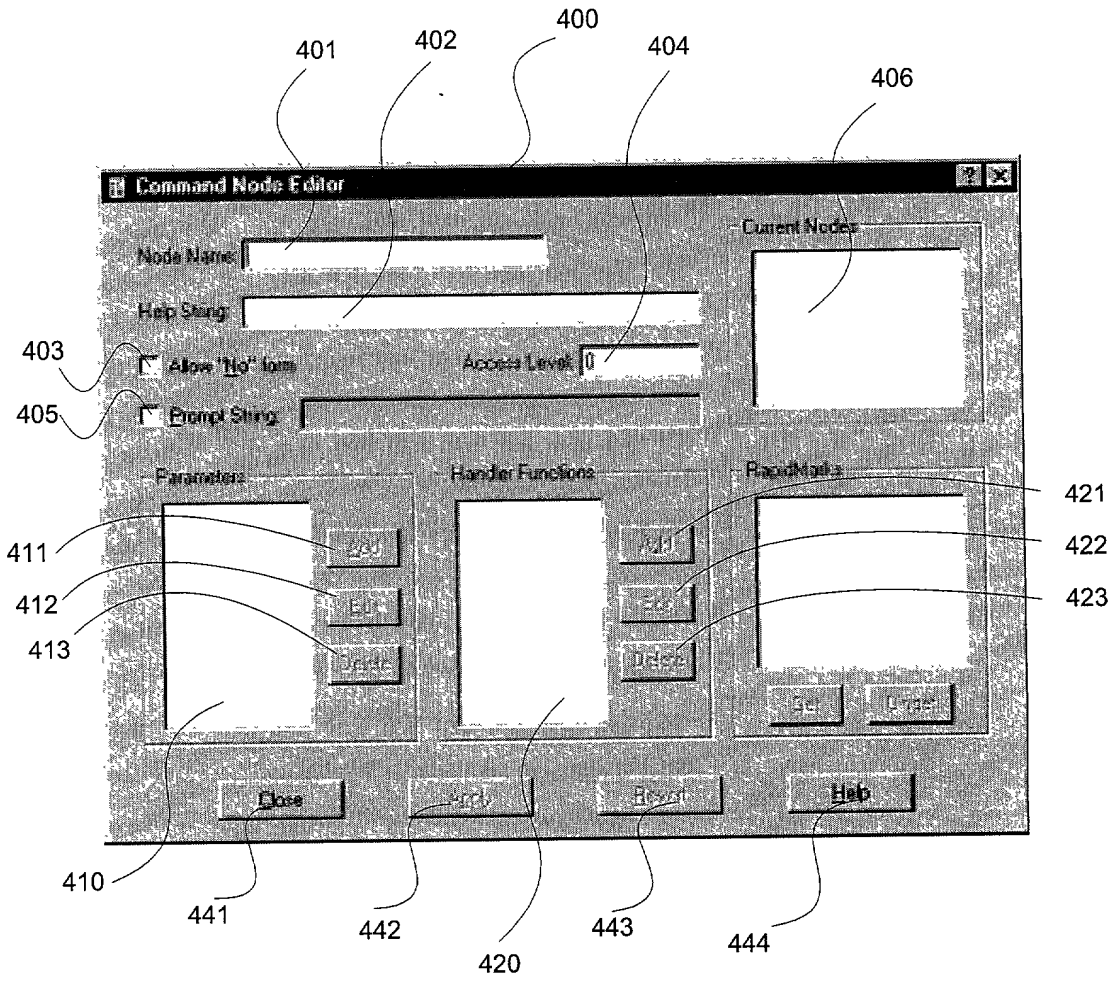

400
401
402
404
406
Command Node Editor
Node Name
Help String
Current Nodes
403
Allow "No" form
Access Level
0
405
Prompt String
Parameters
Handler Functions
RapidMarks
421
411
422
412
423
413
Add
Edit
Delete
Add
Edit
Delete
Get
Clear
Close
Apply
Reset
Help
410
441
442
420
443
444

Fig. 7

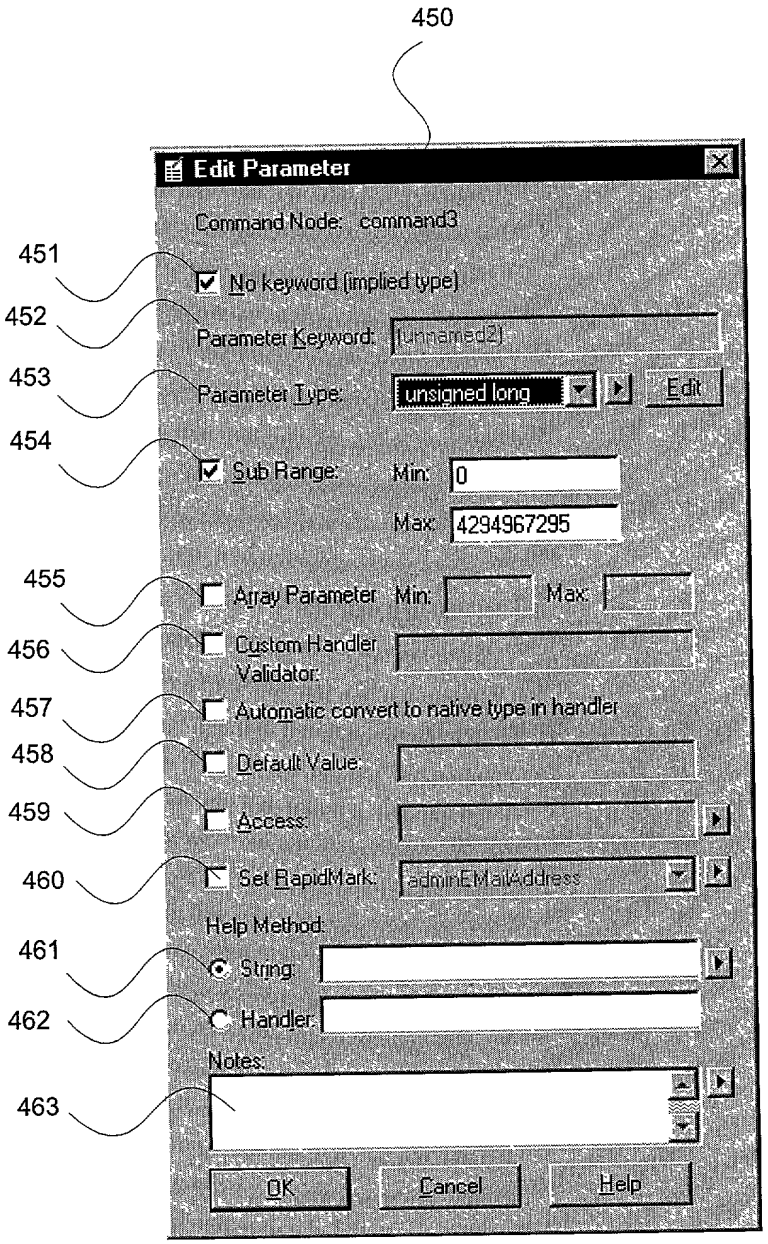

450
Edit Parameter
Command Node: command3
451
No keyword (implied type)
452
Parameter Keyword: [unnamed2]
453
Parameter Type: unsigned long
Edit
454
Sub Range: Min: 0
Max: 4294967295
455
Array Parameter Min:
Max:
456
Custom Handler Validator:
457
Automatic convert to native type in handler
458
Default Value:
459
Access:
460
Set RapidMark: adminEMailAddress
Help Method:
461
String:
462
Handler:
Notes:
463
OK
Cancel
Help

Fig. 8

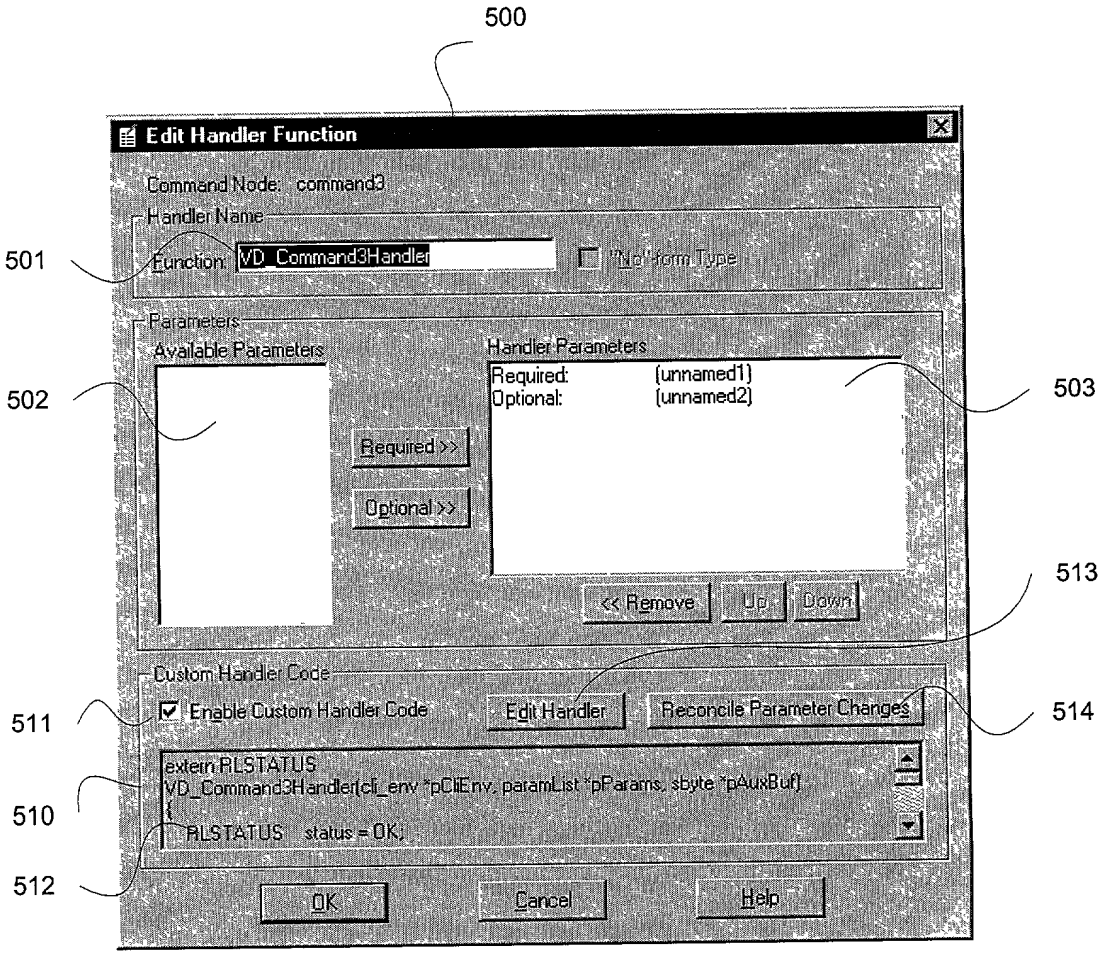

500
Edit Handler Function
Command Node: command3
Handler Name
Function: VD_Command3Handler
"No" form Type
Parameters
Available Parameters
Handler Parameters
Required: (unnamed1)
Optional: (unnamed2)
Required >>
Optional >>
<< Remove
Up
Down
Custom Handler Code
Enable Custom Handler Code
Edit Handler
Reconcile Parameter Changes
extern RLSTATUS
VD_Command3Handler(cli_env *pCliEnv, paramList *pParams, sbyte *pAuxBuf)
{
RLSTATUS status = OK;
OK
Cancel
Help
501
502
503
511
510
512
513
514

Fig. 9

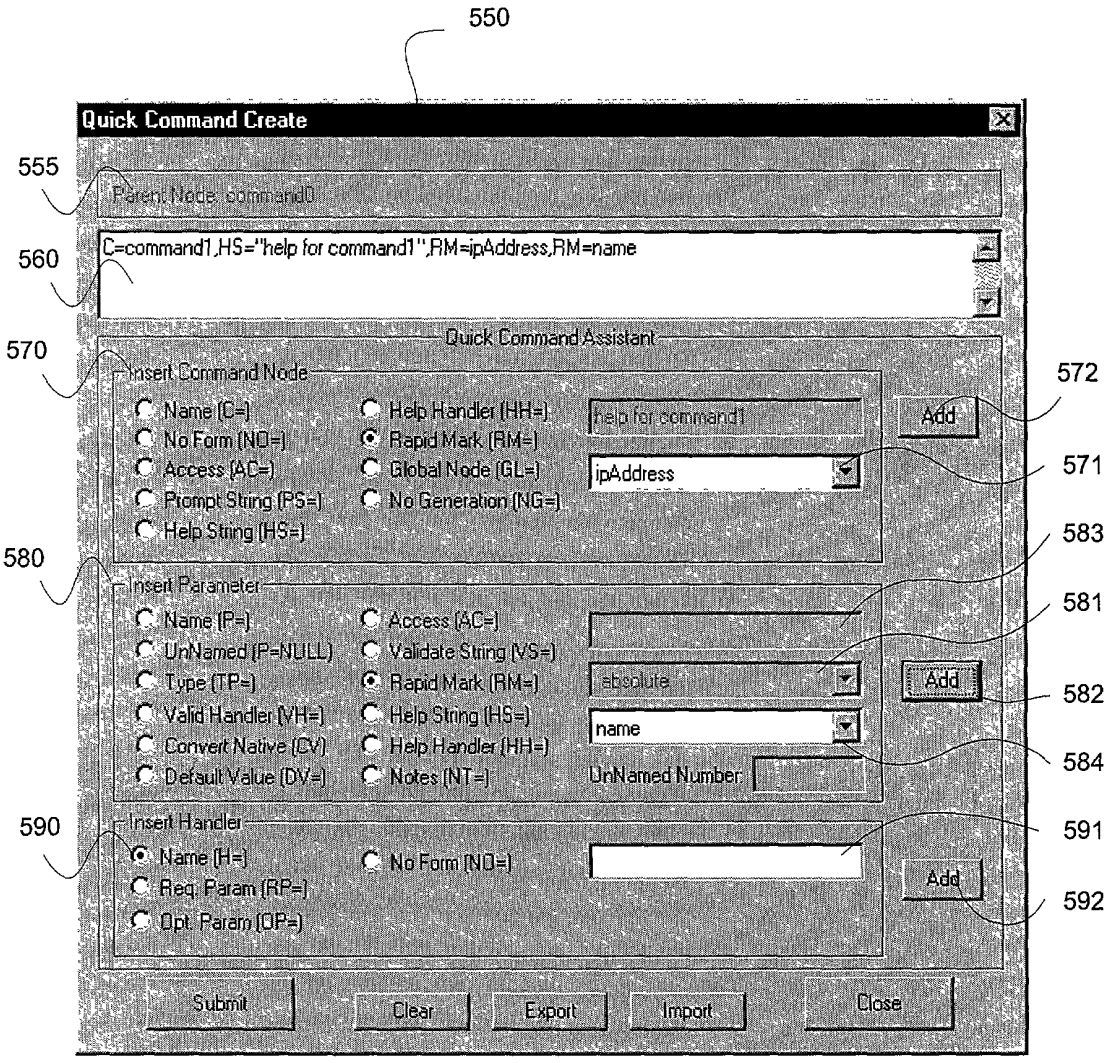

550
Quick Command Create
555
Parent Node: command0
560
C=command1,HS="help for command1",RM=ipAddress,RM=name
Quick Command Assistant
570
Insert Command Node
Name (C=)
No Form (NO=)
Access (AC=)
Prompt String (PS=)
Help String (HS=)
Help Handler (HH=)
Rapid Mark (RM=)
Global Node (GL=)
No Generation (NG=)
help for command1
ipAddress
Add
572
571
580
Insert Parameter
Name (P=)
UnNamed (P=NULL)
Type (TP=)
Valid Handler (VH=)
Convert Native (CV)
Default Value (DV=)
Access (AC=)
Validate String (VS=)
Rapid Mark (RM=)
Help String (HS=)
Help Handler (HH=)
Notes (NT=)
absolute
name
UnNamed Number:
583
581
582
584
590
Insert Handler
Name (H=)
Req. Param (RP=)
Opt. Param (OP=)
No Form (NO=)
591
592
Submit
Clear
Export
Import
Close

Fig. 10

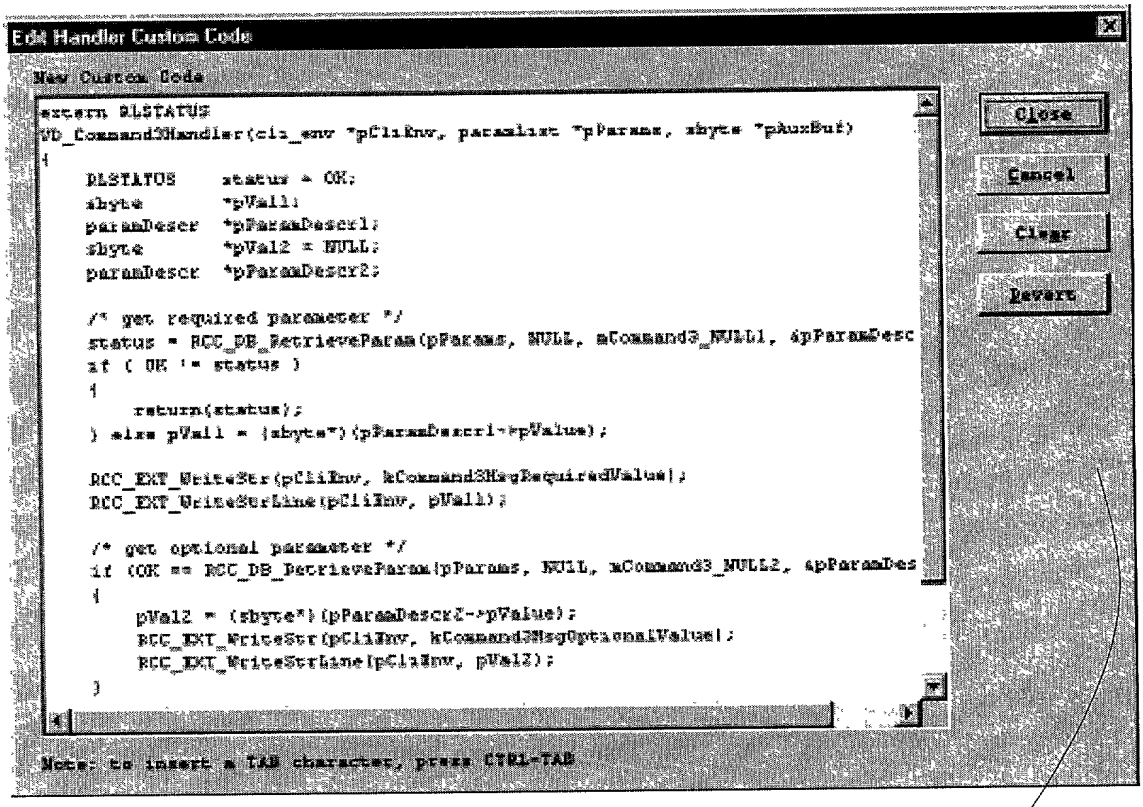

Edit Handler Custom Code
New Custom Code
extern RLSTATUS
VD_Command3Handler(cli_env *pCliEnv, paramlist *pParams, sbyte *pAuxBuf)
{
DLSTATUS status = OK;
sbyte *pVal1;
paramDescr *pParamDescr1;
sbyte *pVal2 = NULL;
paramDescr *pParamDescr2;
/* get required parameter */
status = RCC_DB_RetrieveParam(pParams, NULL, mCommand3_NULL1, &pParamDesc
if (OK != status)
{
return(status);
} else pVal1 = (sbyte*)(pParamDescr1->pValue);
RCC_EXT_WriteStr(pCliEnv, mCommand3MsgRequiredValue);
RCC_EXT_WriteStrLine(pCliEnv, pVal1);
/* get optional parameter */
if (OK == RCC_DB_RetrieveParam(pParams, NULL, mCommand3_NULL2, &pParamDes
{
pVal2 = (sbyte*)(pParamDescr2->pValue);
RCC_EXT_WriteStr(pCliEnv, mCommand3MsgOptionalValue);
RCC_EXT_WriteStrLine(pCliEnv, pVal2);
}
Close
Cancel
Clear
Revert
Note: to insert a TAB character, press CTRL-TAB
600

Fig. 11

EP 0 742 519 A2

Fig. 12

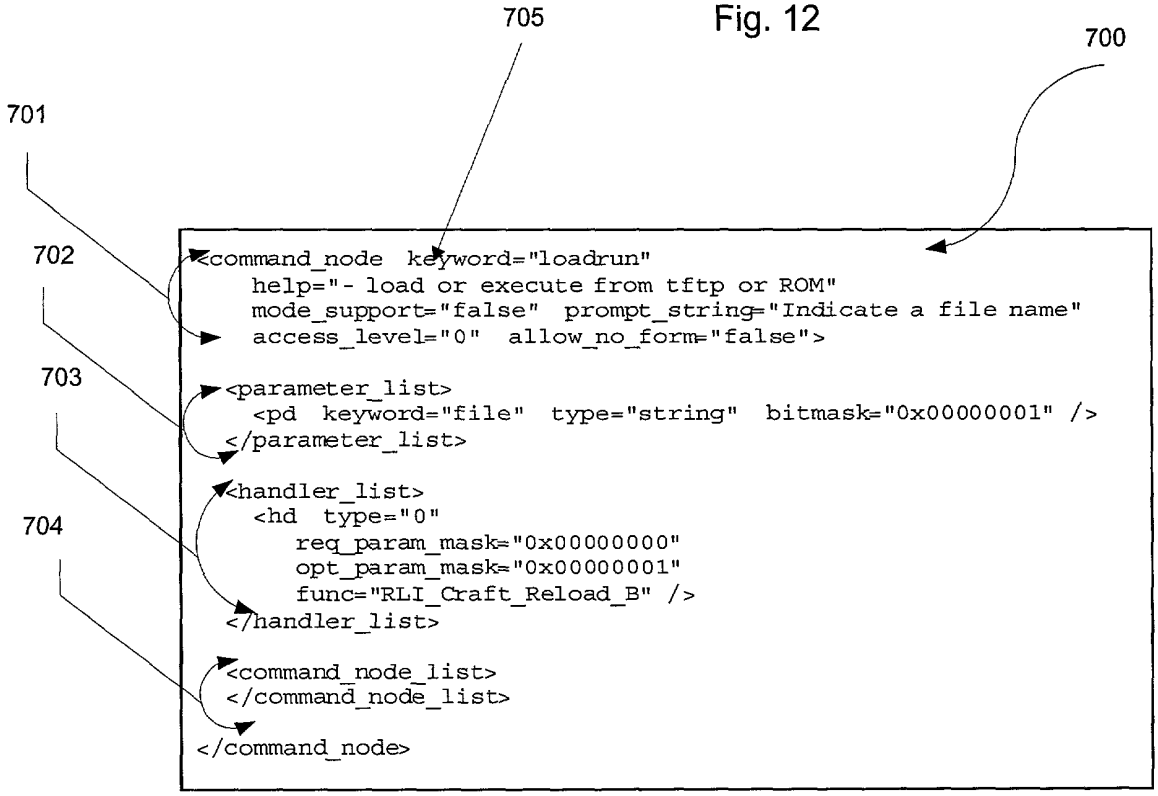


Fig. 13

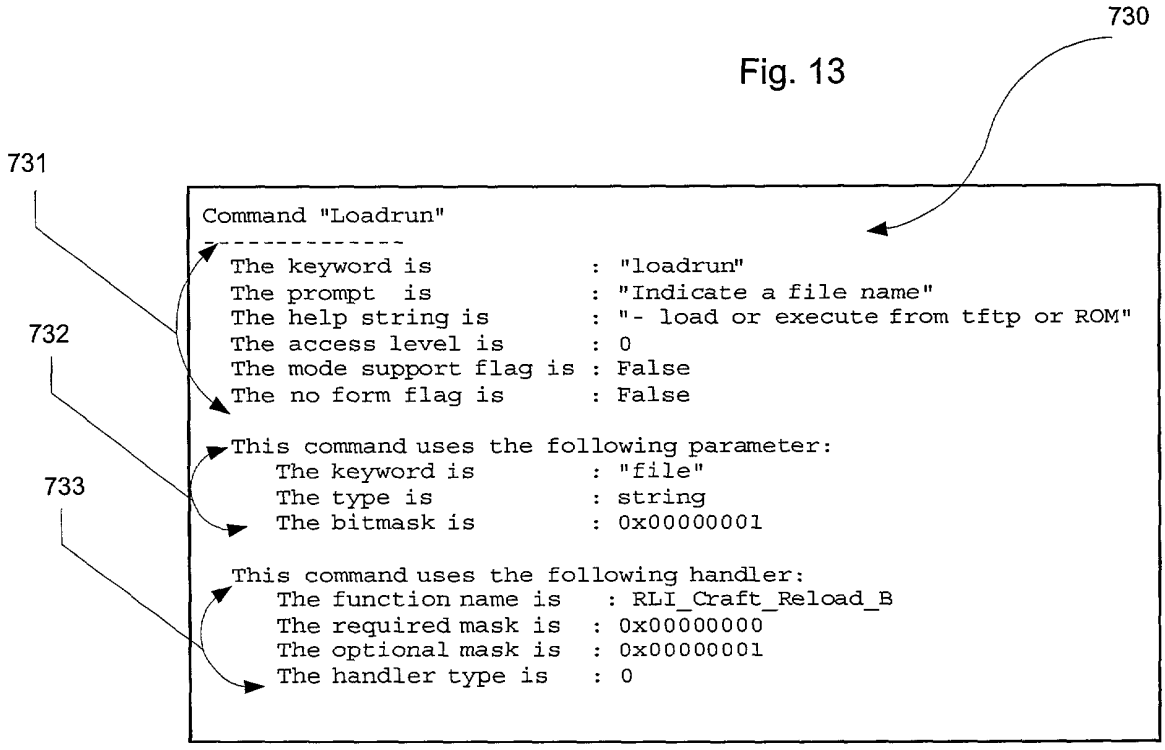
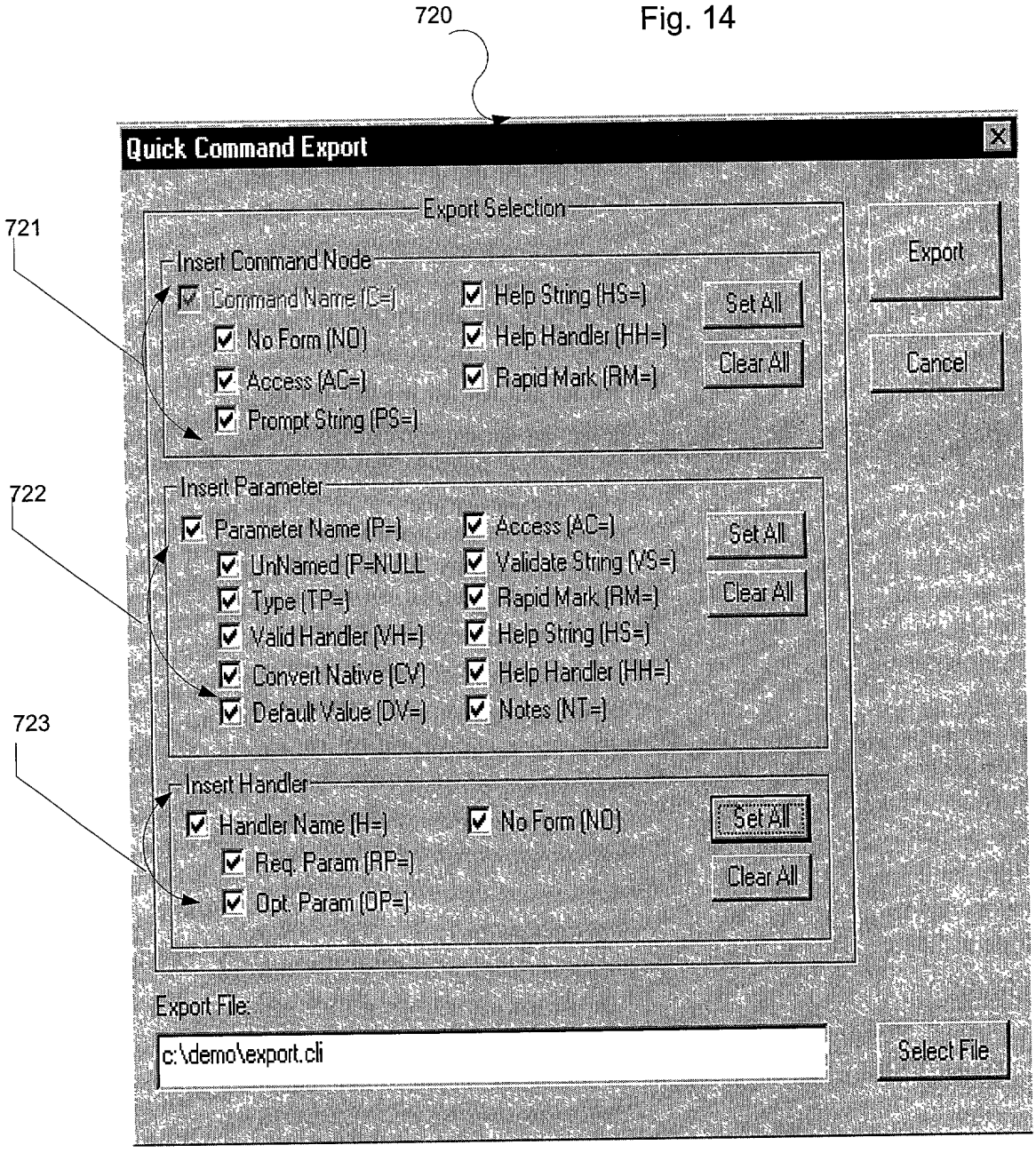


Fig. 14


720
Quick Command Export
Export Selection
721
Insert Command Node
Command Name (C=)
No Form (NO)
Access (AC=)
Prompt String (PS=)
Help String (HS=)
Help Handler (HH=)
Rapid Mark (RM=)
Set All
Clear All
Export
Cancel
722
Insert Parameter
Parameter Name (P=)
UnNamed (P=NULL
Type (TP=)
Valid Handler (VH=)
Convert Native (CV)
Default Value (DV=)
Access (AC=)
Validate String (VS=)
Rapid Mark (RM=)
Help String (HS=)
Help Handler (HH=)
Notes (NT=)
Set All
Clear All
723
Insert Handler
Handler Name (H=)
Req. Param (RP=)
Opt. Param (OP=)
No Form (NO)
Set All
Clear All
Export File:
c:\demo\export.cli
Select File

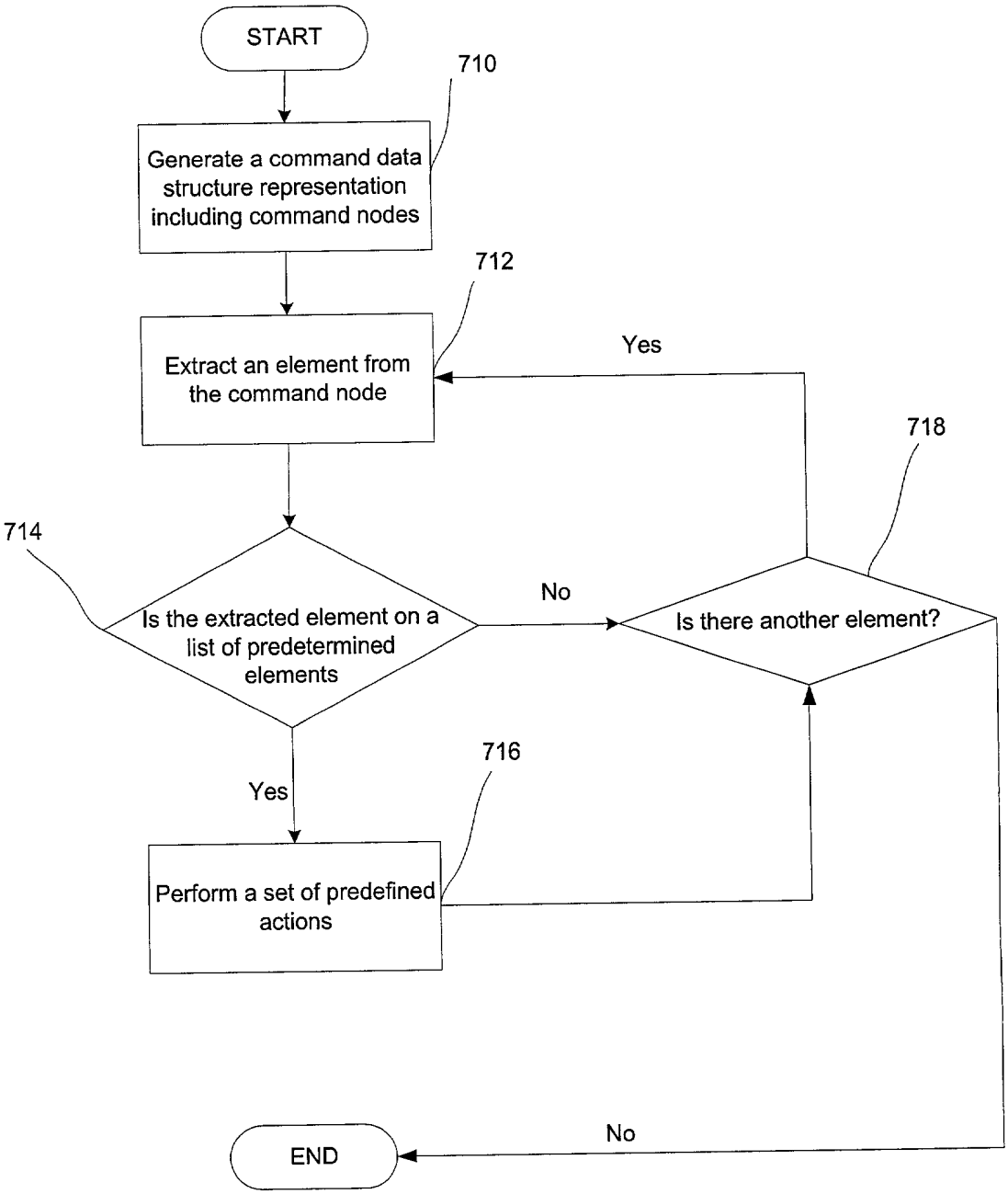

START
710
Generate a command data structure representation including command nodes
712
Extract an element from the command node
Yes
718
714
Is the extracted element on a list of predetermined elements
No
Is there another element?
Yes
716
Perform a set of predefined actions
No
END

Fig. 15